

ADDENDUM No. 1

TO: ALL BIDDERS
FROM: CITY OF HIALEAH
ITB #: 2016/17-9500-00-008
RE: ITB – PUMP STATION 150 UPGRADES
DATE: April 11, 2017

The original contract documents for the entitled: **ITB – PUMP STATION 150 UPGRADES** needs to be amended as noted in this Addendum No. 1.

This Addendum No. 1 consists of 1 typed page, 1 attachment, and 1 addendum receipt form (ARF). All other items and conditions of the original Contract Documents shall remain unchanged. This Addendum shall become a part of the Contract Documents.

Approved for issue: _____ Date: April 11, 2017
Luis A. Suarez – Acting Purchasing Manager

ACKNOWLEDGMENT

Receipt of this Addendum No. 1 shall be acknowledged in the space provided on the ADDENDUM RECEIPT form – ARF (Copy attached) now a part of the Contract Documents to be faxed immediately to the City of Hialeah Purchasing Division (305) 883-5871 and submitted with sealed bids.

QUESTIONS AND ANSWERS:

Primoris Mechanical Contractors.

Q1. Engineer's estimate for this project?

A1. The engineer's estimate for this project is \$925,000.

Drawings

4. ELECTRICAL DRAWINGS E01 and E02: REPLACE with DRAWINGS E01 and E02 (attached).

CITY OF HIALEAH
ITB – PUMP STATION 150 UPGRADES
ADDENDUM No. 1

CONTRACTOR'S NAME _____

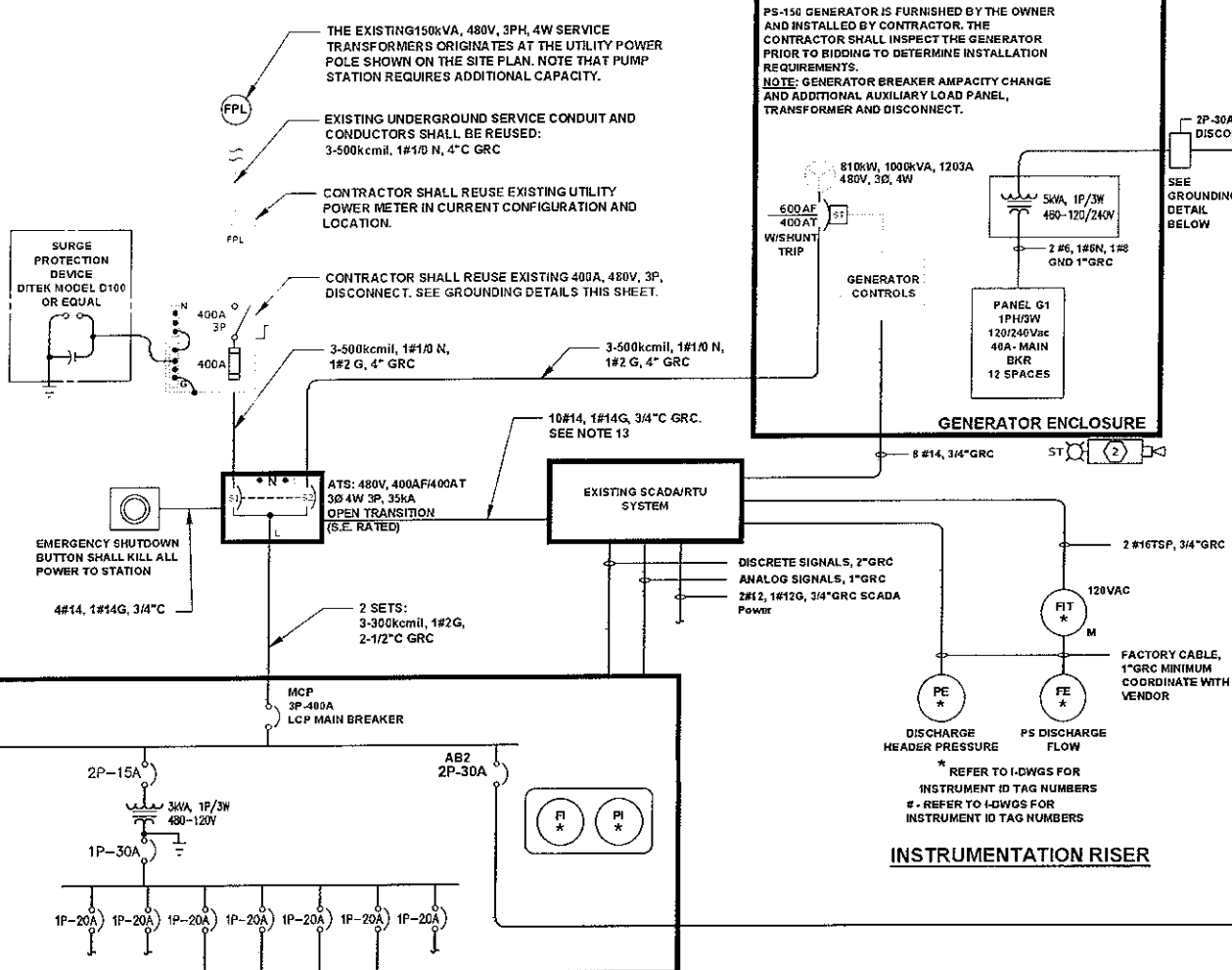
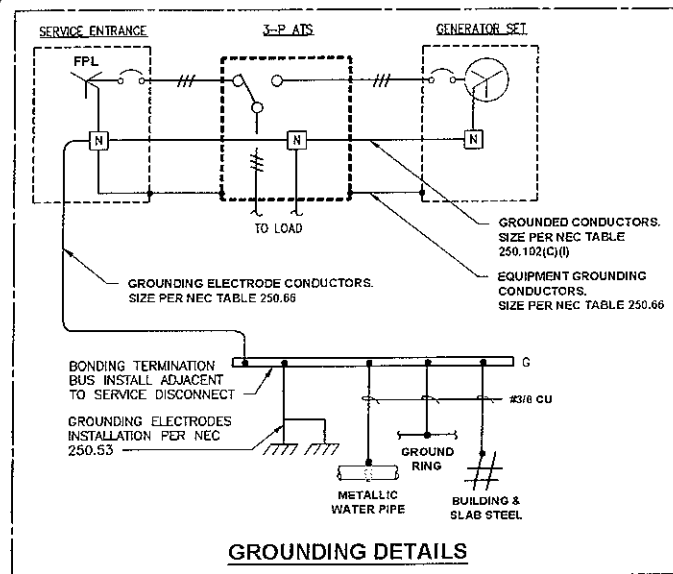
ADDRESS _____

PHONE NO. _____

CONTACT NAME _____ SIGNATURE _____

THE BIDDER ACKNOWLEDGES RECEIPT OF THE FOLLOWING ADDENDUM BY SIGNING AND DATING BELOW:
(Copy of this form must be faxed immediately to the City of Hialeah at (305) 883-5871).

<u>ADDENDUM</u>	<u>SIGNATURE</u>	<u>DATE</u>
1		



PS-150 FAULT CURRENT CALCULATIONS			
SOURCE	CALCULATED MARCH 2017 BASED ON PROPOSED 300KVA TRANSFORMER		UTILITY POLE TRANSFORMERS 300 KVA @ 3.0% Z
UTILITY TRANSFORMERS	Isc =	$\frac{380}{1.73 \times 0.48 \times 0.03}$	12034
MOTOR CONTRIBUTION	Isc =	$\frac{246}{1.73 \times 0.48 \times 0.25}$	1184
TOTAL FAULT AMPS			13218
CONTRACTOR SHALL COORDINATE WITH FPL TO RESIZE EXISTING 150KVA SERVICE TRANSFORMERS CAPACITY TO MEET PROPOSED LOADS.			
CONTRACTOR SHALL CONFIRM FPL TRANSFORMER KVA AND IMPEDANCE AND PROVIDE ANY CHANGES TO THE ENGINEER FOR FAULT CURRENT UPDATING			

PS-150 SERVICE LOAD CALCULATIONS		
LOAD DESCRIPTION	CONNECTED AMPS	OPERATING AMPS
PUMP NO. 1 @ 110HP	137	123
PUMP NO. 2 @ 110HP	137	123
PUMP NO. 3 @ 110HP	137	-
LCP AUXILIARY LOADS TRANSFORMER (3KVA)	6	6
GENERATOR AUXILIARY LOADS (5KVA)	13	10
EXISTING SCRUBBER SYSTEM	39	21
25% OF LARGEST MOTOR LOAD	34	-
TOTALS @ 480V, 3PH	495	284

PANEL G1 LOAD SCHEDULE 120/240V, 1 PH, 12 CIRCUITS MINIMUM WITH MAIN BREAKER			
CIR ID	LOAD DESCRIPTION	LOAD VA	WIRE & CONDUIT
1	MAIN BREAKER	5000	2P-40
2	GENERATOR ENGINE BLOCK HEATER	2000	2P-20A
3	GENERATOR SPACE HEATER	200	1P-20A
4	GENERATOR BATTERY CHARGER	250	1P-20A
5	GENERATOR ENCLOSURE LIGHTING	200	1P-20A
6	GENERATOR ENCLOSURE RECEPTACLES	360	1P-20A
7	SPARE	360	1P-20A
8-12	SPARE		
TOTAL VA		3010	

CONTRACTOR SHALL COORDINATE WITH GENERATOR VENDOR TO PROVIDE AND INSTALL TRANSFORMER, PANEL, DISCONNECT AND ASSOCIATED CONDUITS AND WIRING TO POWER AUXILIARY GENERATOR LOADS. CONTRACTOR SHALL VERIFY LOADS PRIOR TO WIRING AND SIZING CIRCUIT BREAKERS.

PS-150 VOLTAGE DROP CALCULATIONS								
PS	ID	Volts Phase	AWG	Length One Way At Load	Amps	Ohms 1k FT	VD %	Volts at Load
150	SERVICE / FEEDER	480	3	500	150	0.049	0.7%	476
	MOTOR BRANCH	480	3	1/0	50	0.13	0.1%	480
	GEN AUX LOADS	480	1	10	100	1.1	0.5%	478
	AUX EQPT BRANCH	120	1	12	30	1.98	1.5%	118

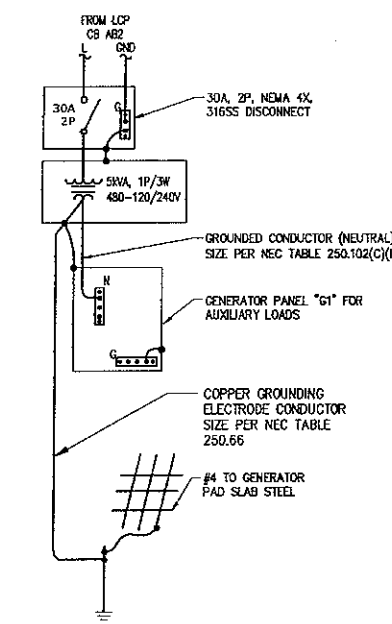
PS-150 LIGHTING FIXTURE SCHEDULE				
ID	DESCRIPTION	POLE	VOLTAGE	LUMINAIRES
A	LED TYPE SITE LIGHTING ON 10FT ALUMINUM ROUND POLE	HAPCO MODEL 55A1004-8M	OPERATES ON 120VAC	LITHONIA DSKO LED 40C 530 30L T55 MVOLT RPA DDBXD OR EQUAL

PS-150 FPL UTILITY DATA			
STATION ID	FPL SERVICE REP	FPL REP PHONE	FPL PROVIDED FAULT CURRENT
PS 150	MARCO MOVILLA	305 589-4078	

- KEY NOTES:**
- EMERGENCY SHUTDOWN BUTTON SHALL BE 2-POLE MINIMUM WITH SHUNT TRIP SOURCE. VOLTAGES ORIGINATING AT GENERATOR MAIN BREAKER AND THE ATS. BUTTON SHALL BE ANNOTATED WITH "DEVICE HAS MULTIPLE VOLTAGE SOURCES". BUTTON SHALL SHUT DOWN BOTH UTILITY AND GENERATOR POWER.
 - A NEMA 4X STAINLESS STEEL LOCAL CONTROL PANEL FOR FUEL TANK FILL ALARMS AND TANK LEAK DETECTION LOCAL CONTROLS AND ANNUNCIATION SHALL BE PROVIDED BY THE GENERATOR VENDOR. AN ALARM HORN AND STROBE LIGHT (ST) SHALL BE MOUNTED TO SIDES OF LCP. SEE GENERATOR SPECIFICATION 16520 FOR DETAILS.

LEGEND	
MC	SUBMERSIBLE PUMP PROTECTION UNIT
AHJ	AUTHORITY HAVING JURISDICTION
ABX	CIRCUIT BREAKER FOR AUXILIARY EQUIPMENT

GENERATOR AUXILIARY PANEL GROUNDING RISER DIAGRAM



ELECTRICAL RISER DIAGRAM

PUMP STATION WET WELLS ARE CLASSIFIED AS A CLASS 1, DIVISION 1, GROUP D, HAZARDOUS LOCATION

SEAL-OFF CONNECTIONS FOR ALL CONDUITS PENETRATING INTO THE WETWELL SHALL COMPLY WITH AND BE INSTALLED PER NEC 501

PROJECT: 46016-016 PS-150

DESIGNED	JMB
DRAWN	JMB
CHECKED	JCB
PROJ. ENGR.	CLK
DATE	APRIL 2017
NO.	1
ISSUED FOR	ADDENDUM NO.1
BY	JMB

JOHN C. BURKE
No. 17301

Hazen
999 Ponce de Leon Boulevard, Suite 1150
Coral Gables, FL 33134
Certificate of Authorization Number: 2771

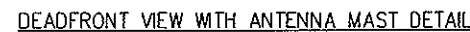
SCALE	NONE
CONTRACT	-
CLIENTS PROJECT	-
ENGINEERS PROJECT	46016-016
CAD REFERENCE	46016-016-150 E01

CITY OF HIALEAH
DEPARTMENT OF PUBLIC WORK

PUMP STATION IMPROVEMENT PROGRAM
PUMP STATION 150 UPGRADE - 2300 WEST 60 STREET
PUMP STATION 150 PSIP ELECTRICAL

DATE: FEBRUARY 2017
SHEET: 16 of 17
DRAWING: E01

BID SET

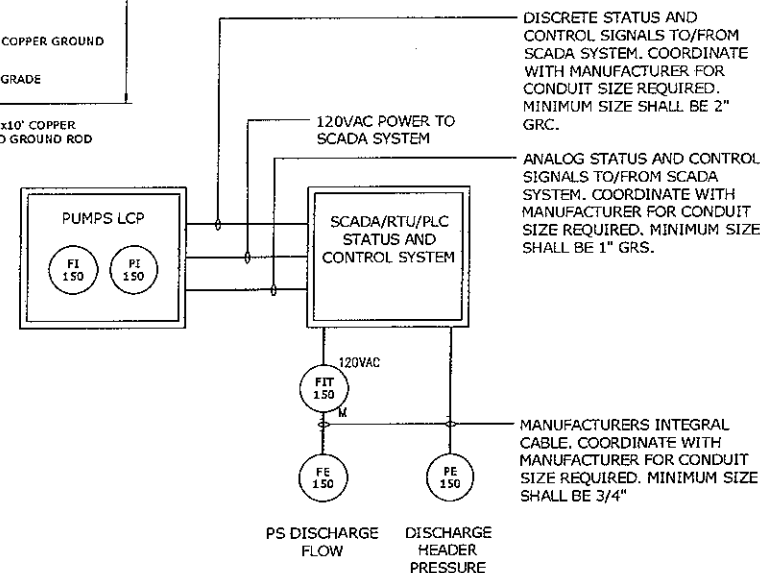


CONNECTION BOXES SHALL BE SIZED AND CONFIGURED FOR TOTAL NUMBER OF CONDUITS REQUIRED AS COORDINATED WITH PUMP VENDOR. SOME PUMP VENDORS REQUIRE ADDITIONAL CONDUITS FOR CONTROL CIRCUITS.

ELAPSED TIME RECORDERS NOTES:

THE LCP SHALL CONTAIN ELAPSED TIME RECORDERS AND AN ASSOCIATED TIME CLOCK AS SHOWN IN THE TABLE. FOR A TRIPLEX PUMP STATION, ETM5, ETM6, AND ETM7 SHALL BE ACTIVATED BY AN ADJUSTABLE TIME CLOCK TO RECORD ONLY DURING THE TIME CLOCK ON DURATION RANGE.

INITIALLY SETTINGS FOR RECORDING SHALL BE 12AM-5AM
OR AS DIRECTED BY THE AGENCY.



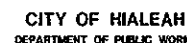
INSTRUMENTATION RISER

JOHN C. BURKE
No. 17301

999 Ponce de Leon Boulevard, Suite 1150
Coral Gables, FL 33134
Certificate of Authorization Number: 2771

NONE

CONTRACT:	-
CLIENTS PROJECT:	-
ENGINEERS PROJECT:	46016-016
CAD REFERENCE:	46016-016-15



PUMP STATION IMPROVEMENT PROGRAM
PUMP STATION 150 UPGRADE - 2300 WEST 60 STREET
COMMON ELECTRICAL DETAILS, NOTES
AND SCHEDULES

DATE: FEBRUARY 2017
SHEET: 17 of 17
E02

NOT DATE: 4/6/2017 9:23 AM BY: J887AD

File = I:\48016-cra\48016-016\Drawings\15.11.27\surveys_download\48016-016_hitech_pdp_phase_1\48016-016_hitech_pdp_phase_1\drawings - ps150\Jac\48016-016-150 E02 Served by Broad Svc date = 4/5/2017 1:47 PM

BID SET